

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

- Angenheister, G.**
Einfluss der Änderung der Sonnenstrahlung und Sonnentätigkeit auf die Erde. Braunschweig. p. 78-81. 23 $\frac{1}{2}$ cm. (Sonderabdruck: Verhandlungen der Deutschen physikalischen Gesellschaft. H. 3. 1921.)
- Bilham, E. G.**
Isallobars of moving circular depressions. p. 336-357. diagr. 25 cm. (Geografiska annaler. H. 4. 1921.)
- Castrillón, Manuel Álvarez.**
Frequència de les direccions del vent a Barcelona. Barcelona. 1922. 12 p. charts. 22 cm. (Servei meteorològic de Catalunya. Notes d'estudi. no. 3.)
- Champion coated paper co.**
The weather. [N. Y.] c. 1922. 23 p. illus. maps. 23 $\frac{1}{2}$ cm. (Champion monographs. v. 5, no. 1. 1922.)
- Church, J. E., Jr.**
Seasonal snow survey and forecast of stream flow, April 1, 1922. Conducted jointly by the states of California and Nevada and the Nevada section of the U. S. Weather bureau. 1 sheet. 42 $\frac{1}{2}$ cm.
- Cipollina, Angelo.**
Nuovo contributo alla teoria degli strati freddi dell'atmosfera. Genova. 1917. 13 p. 24 $\frac{1}{2}$ cm.
Una nuova teoria degli strati freddi dell'atmosfera. Genova. 1916. 6 p. 24 $\frac{1}{2}$ cm.
- Clark, J. Edmund, & Adames, Henry B.**
Report on the phenological observations in the British Islands, from December, 1919, to November, 1920. p. 217-250. charts. 25 cm. [Reprint: Quarterly journal Royal meteorological society. v. 47. Oct., 1921.]
- Dorno, C.**
Die für den Mediziner wichtigen meteorologisch-klimatologischen Kenntnisse. p. 505-510. 30 $\frac{1}{2}$ cm. (Sonderabdruck: Klinische Wochenschrift. Jahrg. 1, 11 März, 1922.)
- Eredia, Filippo.**
La distribuzione dei giorni piovosi a seconda la quantità di precipitazione nelle Puglie. Roma. 1921. p. 271-276. 24 $\frac{1}{2}$ cm. (Estratto: Nuovi annali del ministero per l'agricoltura. Anno 1. N. 2. 31 dic., 1921.)
- Julius Hann. Roma. 1921. 11 p. 23 $\frac{1}{2}$ cm. [Obituary.]
- Sul clima di Cussabat. Roma. 1921. 17 p. 24 cm. (Estratto: Bollettino di informazioni. n. 7-8, 1921.)
- Sul clima del Garian. Roma. 1921. 29 p. 24 cm. (Estratto: Bollettino di informazioni. n. 3-4, 1921.)
- Sulla precipitazione acquea normale annuale a Tripoli. Firenze. 1921. 8 p. 24 $\frac{1}{2}$ cm. (Estratto da L'Agricoltura coloniale, Anno 16. N. 8. 1921.)
- Febrer, Joaquim.**
Pluges a Catalunya durant la tardor de 1921. Barcelona. 1922. 8 p. charts. 22 cm. (Servei meteorològic de Catalunya. Notes d'estudi. no. 4.)
- Fischer, Karl.**
Fundamental equations in the hydrology of river regions. 18 p. 27 cm. [Typewritten.] (Trans. by W. W. Reed from Meteorologische Zeitschrift. Bd. 38. Nov., 1921.)
- Remarks on the foregoing paper by E. Brückner. 6 p. 27 cm. [Typewritten.] (Translated by W. W. Reed from Meteorologische Zeitschrift. Bd. 38. Nov., 1921.)
- Froc, Louis.**
L'atmosphère en extrême-orient, son état normal, ses perturbations. Ed. 2. Paris. 1920. 291 p. illus. charts. 25 $\frac{1}{2}$ cm. (France. Service hydrographique de la marine. No. 63.)
- Hellmann, G.**
Neue Untersuchungen über die Regenverhältnisse von Deutschland. pt. 2. Die Schneeverhältnisse. p. 246-257. plate. 29 $\frac{1}{2}$ cm. (Sitzungsberichte der preussischen Akademie der Wissenschaften. XI. 1921.)
- Horner, Donald W., & Robertson, W. MacDonald.**
Simple weather forecasting for everyone. Tunbridge Wells. 1921. 40 p. illus. plates. 24 $\frac{1}{2}$ cm. (Incorporating the papers on the Horner-Roberston system of periodic weather forecasting.)
- Johnston, Earl S.**
Seasonal march of the climatic conditions of a greenhouse, as related to plant growth. College Park, Md. 1921. p. 41-98. 23 $\frac{1}{2}$ cm. (University of Md., Agric. exper. sta., College Park, Md., Sept., 1921. Bulletin no. 245.)
- Matteuzzi, L.**
Relazione sull'attività del R. Servizio aerologico italiano durante la guerra mondiale e durante l'armistizio (1915-1918). p. 59-72. 28 cm. [R. Comitato talassografico italiano. Bollettino bimestrale. 2° fasc. v. 9, num. 60, 62, Lug.-Dic., 1919.]
- Meunier, Stanislas.**
Histoire géologique de la pluie. Paris. 1921. x, 324 p. illus. 24 $\frac{1}{2}$ cm.
- Oldekop, E.**
Relation entre régime de la rivière Tchirchik et les éléments météorologiques. Tachkent. 1918. 83 p. chart. 25 $\frac{1}{2}$ cm. (Service hydrométrique au Turkestan. Travaux du bureau météorologique.) [Text in Russian, résumé in French.]
- Palmer, Andrew H.**
Crop insurance. Early attempts centered in writing of hail insurance; other forms recent, but proving successful. p. 15-17. illus. 31 cm. (Excerpt from the Spectator, N. Y., Oct. 27, 1921.)
- Weather insurance opportunities. Need for coverage is clearly shown by study of claims paid. p. 3-4. 31 cm. (Excerpt from the Spectator, N. Y., Oct. 20, 1921.)
- Passarge, Siegfried.**
Die Grundlagen der Landschaftskunde. . . . Hamburg. 1919-1920. 3 v. illus. plates. 27 cm. [v. 2 deals with climate.]
- Réthly, Antal.**
A párolgás nagysága 1916-ban Magyarországon. Budapest. 1918. 6 p. 25 cm. (Különnyomat a vízügyi közlemények 1917. évi 4-6. füzetéből.) [Text in Hungarian.] [Evaporation in Hungary.]
- Adatok pest és Buda szélviszonyaihoz. Budapest. 1914. 16 p. diagr. 17 $\frac{1}{2}$ cm. (Különnyomat az "Aéro" 1914. évi 10. és 11. számából.) [Title in Hungarian.] [Distribution of the direction and velocity of the wind in Budapest.]
- Az insolátorról és annak méréséről, különös tekintettel a magyarországi adatokra. Budapest. 1917. 10 p. illus. 23 cm. (Különnyomat a Magyar orvosok tuberkulózisegyesületének munkálataiból.) [Text in Hungarian.] [Insolation in Hungary.]
- Beiträge zur Kenntnis der meteorologischen Verhältnisse der ungarischen forstlichen Versuchsstationen. Budapest. 1914. p. 23-38. 25 cm. (VII. Versammlung des Internationalen Verbandes Forstlicher Versuchsanstalten in Ungarn. 1914.)
- Csapadékadatok és a Balaton nagy vizállása. Budapest. 1916. 11 p. fig. 25 $\frac{1}{2}$ cm. (Különnyomat a vízügyi közlemények 1916. évi 5. füzetéből.) [Text in Hungarian.] [Precipitation and height of water of Lake Balaton.]
- Die höchste meteorologische Station in Erdély. 7 p. 24 $\frac{1}{2}$ cm. Jegenyeső Budapest. Budapest. 1915. 9 p. illus. 26 cm. (Különnyomat a "Természettermészeti közlöny" 623-624. füzetéből.) [Text in Hungarian.] [Ice precipitation (ice rain) at Budapest.]
- Temesvár elpárolgási viszonyai. n. p. n. d. 7 p. 24 $\frac{1}{2}$ cm. (Különnyomat a "Természettermészeti füzetek" 1911. évi 35. k. 4. füzetéből. Kiadja: a Délmagyarországi Természettermészeti Társulat, Temesvár.) [Text in Hungarian.] [Ratio of evaporation in Temesvár.]
- Temesvár napfénytartamának viszonyai 1900-1911. Temesvár. 1912. 19 p. 24 $\frac{1}{2}$ cm. (Különnyomat a "Természettermészeti füzetek" 1912. évi 36. évfolyam 3-4. füzetéből.) [Text in Hungarian.] [Duration of sunshine in Temesvár.]
- Über Bergobservatorien. 5 p. plates. 24 cm. (Separat-Abdruck: "Földrajzi közlemények." Jahrg. 1909. Bd. 37, H. 1-2.)
- Die Zahl der nebeligen Tage in Budapest. 2 p. 25 cm. (Separat-Abdruck: "Földrajzi közlemények." Bd. 35, N. 1.)
- Simons, P. T., & King, Forest V.**
Report on drainage and prevention of overflow in the valley of the Red river of the north. Washington. 1922. 89 p. figs. plates. maps. 23 $\frac{1}{2}$ cm. (U. S. Department of agriculture. Bulletin no. 1017.)

- Stewart, C.**
Rainfall of the Kamanassie river catchment. p. 18-23. chart.
24½ cm. [South African irrigation department magazine. v. 1, no. 2, Jan., 1922.]
- Sutton, J. R.**
Note on the relationship between cloud and sunshine. p. 137-141.
25½ cm. (Royal society of South Africa. Transactions. v. 9, pt. 2, 1921.)
Some statistics of thunder and lightning at Kimberley. p. 105-115.
25½ cm. (Royal society of South Africa. Transactions. v. 9, pt. 2, 1921.)
- Valgren, Victor Nelson.**
Crop insurance: risks, losses, and principles of protection. Washington. 1922. 27 p. map. 23 cm. (U. S. Department of agriculture. Bulletin no. 1043.)
- Volta, Luigi.**
Il regime dei laghi Maggiore, di Lugano e di Como durante il quindicennio 1902-1916 in rapporto alla determinazione del contributo glaciale. Milano. [1921]. 115 p. tables. 31 cm. (Pub. R. osserv. astron. di Brera in Milano. n. 56.)
- Walker, J. C.**
Seed treatment and rainfall in relation to the control of cabbage black-leg. Washington. 1922. 27 p. fig. plate. 23½ cm. (U. S. Dept. of agriculture. Bulletin no. 1029.)
- Wallén, Axel.**
Rapport sur l'organisation suédoise de la météorologie agricole. 14 p. 24 cm. (Institut international d'agric., 5 ème assemblée générale, Nov., 1920.)
Sur le contrôle des annonces de tempêtes. p. 267-277. plate. 25 cm. (Geografiska annaler. H. 3, 1921.)
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- RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.**
- C. F. TALMAN, Professor in Charge of Library.
- The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.
- Akademie der Wissenschaften. Sitzungsberichte. Wien. Abt. 11a. Bd. 129. H. 8. 1920.**
- Ficker, Heinrich.** Beziehungen zwischen Änderungen des Luftdruckes und der Temperatur in den unteren Schichten der Troposphäre. (Zusammensetzung der Depressionen.) p. 763-810.
- American meteorological society. Bulletin. Worcester, Mass. v. 3. March, 1922.**
- Brooks, C. F.** Temperatures outside vs. those inside a thermometer shelter. p. 37. [Abstract.]
- Connor, A. J.** Modal atmospheric streaming in wet and dry seasons in the Canadian wheat region. p. 35-36. [Abstract.]
- DeLury, R. E.** Meteorological and astronomical pulses. p. 38-39. [Abstract.]
- Humphreys, W. J.** The five zones of atmospheric circulation. p. 36. [Abstract.]
- Lee, S. C.** Some phases of the climate of Manitoba in relation to agriculture. p. 36. [Abstract.]
- Patterson, J.** Anemometry. p. 37-38. [Abstract.]
- Sverdrup, H. U.** The scientific work of the present Amundsen Arctic expedition. p. 39-40. [Abstract.]
- Whittier, B. B.** The glaze and snow storm of February 21, 22, and 23 in Michigan. p. 46-47.
- American philosophical society. Proceedings. Philadelphia. v. 60. 1921. No. 4.**
- Balch, Edwin Swift.** The Coudersport ice mine. p. 553-559.
- Annalen der Hydrographie und maritimen Meteorologie. Hamburg. 50. Jahrg. 31. Jan. 1922.**
- Fricke, H.** Wind und wetter als Feldwirkungen der Schwerkraft. p. 61. [Abstract.]
- Schulz, Bruno.** Die Luft im Wasser unserer heimischen Meere. p. 33-40.
- Astronomie. Paris. 36. année. Avril 1922.**
- Delambre.** L'Office national météorologique. p. 173-177.
- Aviation. N. Y. v. 12. May 15, 1922.**
- Reed, William F., Jr.** Aviation weather for military operations. p. 569.
- Conquest. London. v. 3. May, 1922.**
- Indian correspondent, An.** India's rainy season. How the monsoon affects the welfare of millions. p. 265-268.
- Ecology. Brooklyn, N. Y. v. 3. April, 1922.**
- Kincer, J. B.** Relation of climate to the geographic distribution of crops in the United States. p. 127-133.
- Engineering news-record. N. Y. v. 88. Apr. 20, 1922.**
- Breithaupt, W. H.** Forests and floods in Ontario. p. 657.
- Challies, J. B.** Canadian flood problems. p. 658.
- Eddy, Harrison P.** Excessive small-area floods. p. 655-656.
- Grunsky, C. E.** Pacific-Coast flood conditions. p. 653.
- Matthes, Gerard H.** Cloudburst floods. p. 654-655.
- France. Académie des sciences. Comptes rendus. Paris. t. 174. 10 avril 1922.**
- Garrigou-Lagrange, Paul.** Les grands mouvements de l'atmosphère et la prévision du temps. p. 1028-1031.
- Guébhard, Adrien.** A propos du dernier tremblement de terre provençal. p. 1027-1028.
- Geographischer Jahresbericht aus Österreich. Wien. Bd. 11. 1915.**
- Goldberg, Marie.** Niederschlag und Abfluss im Etschgebiet. p. 182-223.
- Great Britain. Meteorological office. London. Monthly meteorological charts, North Atlantic Ocean. May, 1922.**
- Hewitt, J. B.** Waterspouts. [With sketches of some unusual forms of spout.]
- Keeton, H.** Fog.
- Heating and ventilating magazine. N. Y. v. 19. May, 1922.**
- O'Connor, G. J.** Daylight saving a cooling proposition. p. 41.
- Hemel en dampkring. Den Haag. 19e Jaarg. Maart en April 1922.**
- Havinga, E.** De groene straal. p. 161-165.
- Hemel en dampkring. Den Haag. 20e Jaarg. Mei 1922.**
- Easton, C.** Rangschikking der winters.
- Iberica. Tortosa. Año 9. 8 de Abril de 1922.**
- Experimentos para medir la altura de la atmósfera.** p. 213. [Experiments of Isidoro Ramos, in Mexico.]
- Illustrated London news. London. v. 70. April 29, 1922.**
- Bolton, Scriven.** Our perplexing summers; can they be predicted? p. 648. [Illustration p. 621.]
- International review of the science and practice of agriculture. Monthly bulletin of agricultural intelligence and plant diseases. Rome. v. 12. April, 1921.**
- Bos, H.** Phenological observations and studies in Holland. p. 377-380. [Abstract from Cultura.]
- Change, G. M.** Weather conditions in South Florida relative to the cultivation of sugar cane. p. 380. [Abstract from Sugar.]
- Jensen, M.** The effect of frost upon roots, and the best means of minimizing injury thus caused. p. 382-383. [Abstract from Ugeskrift for Landmaend.]
- Zannoni, I.** Use of smoke-producing candles to prevent the injury caused by white frosts. p. 383-384. [Abstract from Giornale di agricoltura della domenica.]
- London, Edinburgh and Dublin philosophical magazine. London. v. 43. May 1922.**
- Davison, Charles.** Diurnal periodicity of earthquakes. p. 878-885.
- Meteorologia pratica. Montecassino. Anno 3. Gen.-Feb. 1922.**
- Alippi, Tito.** La previsione del tempo. Di una possibile utilizzazione del metodo Vercelli. p. 16-19.
- Crestani, G.** Meteorologia e navigazione aerea. p. 27-33.
- Eredia, Filippo.** Boschi e precipitazioni acquee. p. 1-6.
- Oddone, Emilio.** Su di un rapportatore pel teodolite nefoscopico fotografometrico L. Taffara. p. 6-15.
- Paoloni, D. B.** Lo studio dell'elettricità atmosferica e dei temporali mediante la radiotelegrafia. p. 22-26.
- Meteorologische Zeitschrift. Braunschweig. Bd. 39. 1922.**
- Dörr, Josef Norbert.** Aktinometermessungen zu Wien während der Sonnenfinsternis am 8. April 1921. p. 79-85. (März.)
- Exner, Felix M.** Die thermische und die dynamische Auffassung der Luftbewegungen. p. 73-79. (März.)
- Ficker, H.** Bemerkungen zu dem Aufsatz F. M. Exners über den Aufbau hoher Antizyklonen und Zyklonen in Europa. p. 86-88. (März.)
- Ficker, H.** Kälteeinbrüche über Lindenberg. p. 65-72. (März.)
- Fontseré, E.** Intensitätspluviograph nach Jardi. p. 89. (März.)
- Hanzlik, S.** Die Neigung der Trennungsfläche in den warmen und kalten Zyklonen. p. 88-89. (März.)
- Schindelhauer, F. P. Lenard.** Zur Wasserfalltheorie der Gewitter. p. 90-92. (März.)
- Schimauss, A.** Die meteorologischen Zeitabschnitte. p. 85-86. (März.)